BUILDING A ZERO TRUST ARCHITECTURE

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TRUST IS A DANGEROUS VULNERABILITY

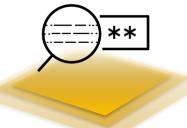
THAT IS **EXPLOITED** BY MALICIOUS ACTORS

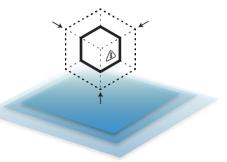
ZEROTRUST

Zero Trust is a security model that prevents breaches by eliminating assumed trust in the digital world and instead consistently verifies all traffic from all users, devices, and applications at all locations

A Zero Trust Strategy Reduces Attack Opportunities







Problem

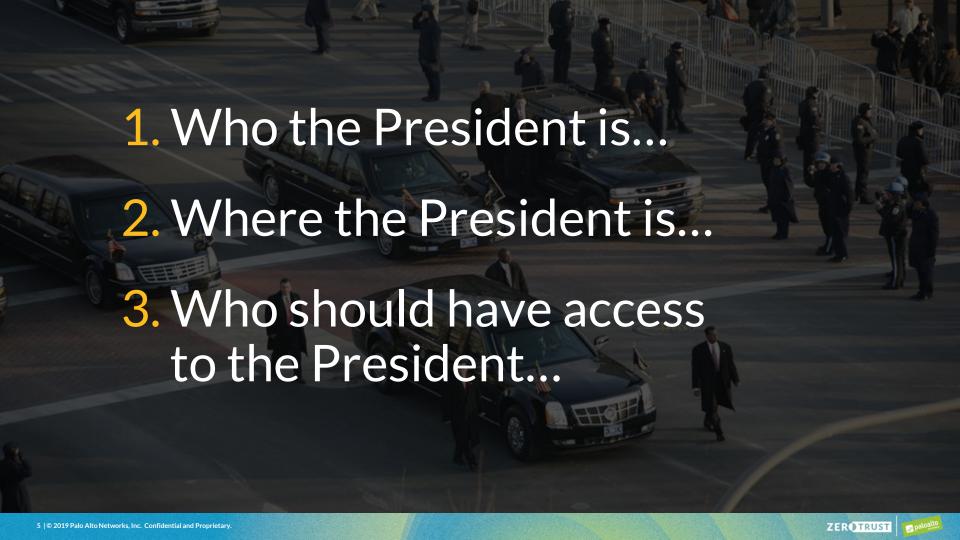
Broken trust model exploited by hackers

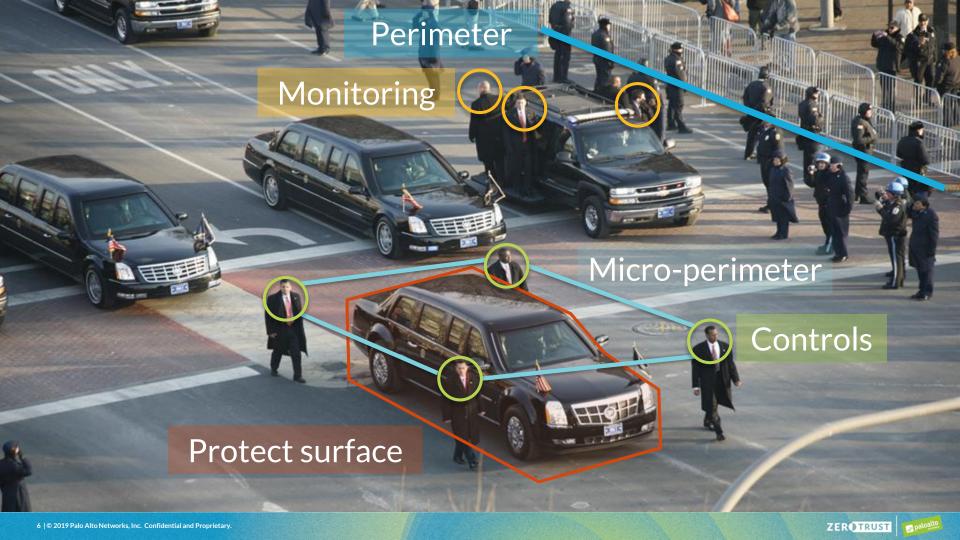
Action

Build a zero trust network

Benefit

Helps stop data breaches





5-Steps to Deploying Zero Trust





5 Steps to Deploying Zero Trust



1. Define your Protect Surface



Firewall











Transformation Services





2. Map the transaction flows



Next-Generation

Firewall







CortexTM

XDR





Transformation Services



3. Build a Zero Trust architecture



















Next-Generation Firewall

Cortex[™] Data Lake

CortexTM XDR

GlobalProtect

Prisma Access

Transformation Services



4. Create Zero Trust Policy











Threat Prevention









Service



Prisma



Transformation Services



5. Monitor and maintain the network



CortexTM Data Lake



CortexTM XDR



AutoFocus



MineMeld

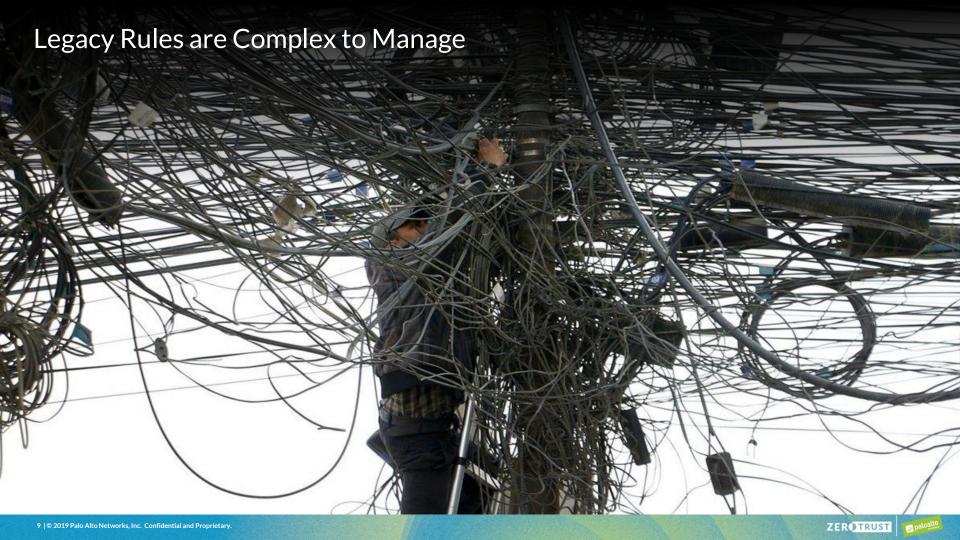


Traps

Demisto



Transformation Services



Create a Zero Trust Policy: The Kipling Method

Zero Trust policies must address who, what, when, where, and how?

| Who | What | When | Where | Why | How | Action |
|------------|------------|---------------|---------------|----------------|------------|--------|
| User ID | App ID | Time | System Object | Classification | Content ID | |
| Sales | Salesforce | Working Hours | US | Toxic | SFDC_CID | Allow |
| Epic_Users | Epic | Any | Epic_Svr | Тохіс | Epic_CID | Allow |

EROTRUST paloalto

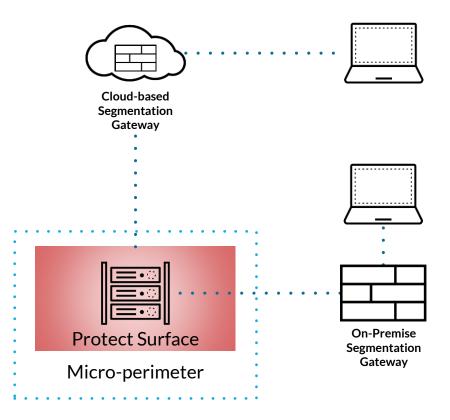
Use Cases



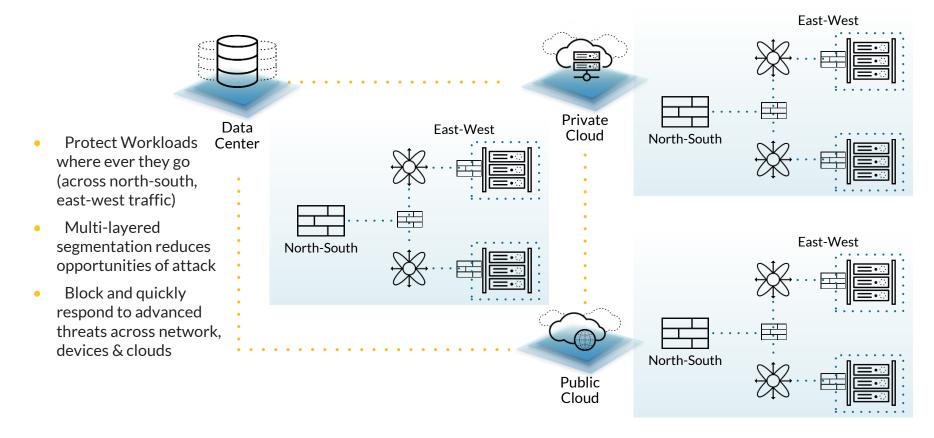


Zero Trust for Mobile Workers

- Extending policy to devices attempting to access the protect surface
- Preventing employees or their devices from compromise by known and unknown threats

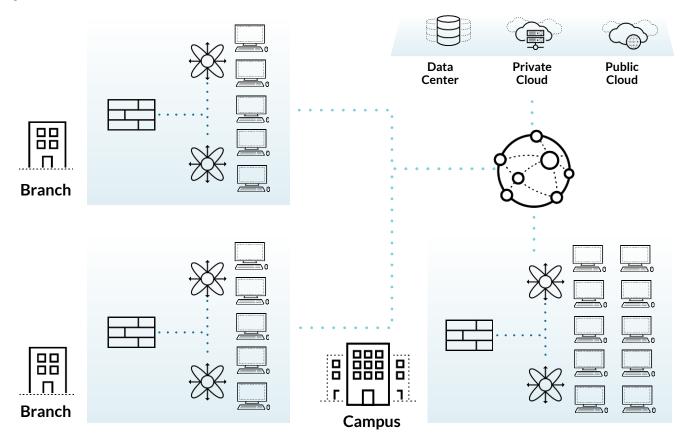


Zero Trust in A Multi-Cloud Environment



Zero Trust for Enterprise with Satellite Facilities

- Policy enforcement across users and devices accessing protect surface
- Prevent threats across branch, campus, datacenter and cloud



Customer Use Case





Customer Use Case

Overview:

 Due to the sensitive nature of their work the customer decided to look into a zero trust architecture for networking.

Customer Requirements:

- Complete visibility of ALL traffic from the inside out.
- Strict policy enforcement and continuous monitoring for attacks and abuse in isolated environments.

Customer Strategy:

- Control and monitor east west traffic within the data centers and between network locations.
- Control east west traffic between workstations on the same LAN segment (micro-segmentation).

Customer Architecture:

- 140 segmentation gateways across two networks with multiple instances of Panorama and Demisto (automation platform).
- Ability to deploy automated policies at scale and speed in an automated fashion.

Thank You

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